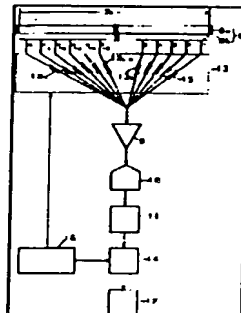


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IMAGES DATABASE : DERWENT
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IMAGE KEY : 00-229565



6/12 - (C) Derwent

Accession Nbr - 2000-229565 [20]

Sec. Acc. Non-CPI- N2000-172773

Title - ****Time** of **flight** **mass**
spectrometer**, includes calculator which
calculates interactive relationship between PN
sequence and digitized and delays spectrum
output from ****ion**** detector

Derwent Classes - ****S03** V05**

Patent Assignee - (NIDS) JEOL CO LTD

Nbr of Patents - 1

Nbr of Countries - 1

Patent Number - JP2000048764 A 20000218 DW2000-20 H01J-049/40
7p *

AP: 1998JP-0209679 19980724

Priority Nbr - 1998JP-0209679 19980724

IPC s - G01N-027/62 ****H01J-049/40****

Basic Abstract - JP2000048764 A

NOVELTY - A PN sequence generator (15)
generator a false random pulse train in fixed
cycle. Based on the PN sequence, the spectrum

KW
ToF
mass
Spectrum
Sequence
generate
pulse

from the **ion** detector (8) is delayed. The spectrum current is converted into a voltage in a pre-amplifier (9). A calculator (14) calculates interactive relationship between PN sequence and digitized output of preamplifier.

- USE - Flight **mass** **spectrometer** for sample analysis.
- ADVANTAGE - Enlarges dynamic range of high speed detection. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of flight **mass** **spectrometer**. (8) **Ion** detector; (9) Pre-amplifier; (14) Calculator; (15) PN sequence generator. (Dwg.1/3)
- EPI: S03-E10
- 2000-20

Manual Codes
Update Basic